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an enclosure;

an actuator pivotally mounted within said enclosure and having a distal end  
nt a surface of said magnetic disk;

a base surface on said slider at a first elevation, said base surface extending to a corner defined by the intersection of said trailing edge and said second side;

a second rail defined by a raised surface extending from said base surface to said first raised elevation and extending generally lengthwise adjacent said second side of said slider from a location proximal said leading edge;

an intermediate surface formed at an elevation between said base surface and  
said raised elevations of said first and second rails, said intermediate surface



a pad extending from said base surface proximal to a corner defined by the juncture of said first side and said trailing edge, said base surface extending to a corner defined by the juncture of said second side and said trailing edge;

a first rail defined by a raised surface extending lengthwise along a portion of  
5 said base surface adjacent said first side;

a second rail defined by a raised surface extending lengthwise along said base surface adjacent said second side;

a magneto-resistive read element disposed within said substrate at said pad;

and

10 a magneto-resistive write element disposed within said substrate at said pad.

6. A slider as recited in claim 5 further comprising an intermediate surface having an elevation between that of said base surface and that of said rails, said intermediate surface extending from said rails to said leading edge and extending  
15 between a portion of said rails.

7. A slider as recited in claim 5 wherein said first and second rails are asymmetrical with one another.

20            8.        A slider as recited in claim 5 wherein said second rail has a greater  
surface area than said first rail.



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a raised surface extending from said base surface extending from a location near said proximal end to a location between said proximal and distal ends;

said raised surface having a recessed inner portion defining a cavity opening toward its distal end;

5 a pad extending from said base surface located proximal to said distal end and one of said first and second sides, said base surface extending to said other side toward said distal end of said substrate;

a read element disposed within said substrate at said pad; and

a write element disposed within said substrate at said pad.

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15. A slider as recited in claim 14 further comprising a channel having laterally opposed sides and a floor, formed in said raised surface, and extending from the proximal end of said raised portion to said recessed portion.

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16. A slider as recited in claim 15 further wherein said floor of said channel extends above said base surface and forms a shoulder with said recessed portion, said shoulder extending laterally from said first channel side to said second channel side.

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17. A slider as recited in claim 14 wherein said pad has multiple levels, the levels, each level being progressively higher than the one before it as they proceed toward the distal end of the substrate.



